

CLAIMS

1. An injection molded article comprising:
a resin composition containing
5 (A) a lactic acid based resin; and
(B) a natural fiber that contains 40 mass% to 60 mass%
of cellulose, 10 mass% to 30 mass% of lignin,
wherein the resin composition contains the lactic acid
based resin (A) and the natural fiber (B) in a mass ratio of
10 99:1 to 70:30, and the lactic acid based resin (A) has a resin
composition ratio of L-lactic acid:D-lactic acid=100:0 to 97:3,
or L-lactic acid:D-lactic acid=0:100 to 3:97.
2. The injection molded article according to claim 1, wherein
15 the resin composition has a crystallization heat peak
temperature (Tc) of 100°C or more.
3. The injection molded article according to claim 1 or 2,
wherein the injection molded article has a deflection
20 temperature under load of 133°C or more.
4. The injection molded article according to any one of claims
1 to 3, wherein the injection molded article is formed after
kneading a coated substance obtained by impregnating the natural
25 fiber (B) in the lactic acid based resin (A), with the lactic

acid based resin.

5. The injection molded article according to claim 4, wherein
the injection molded article is formed after kneading a coated
5 substance obtained by impregnating the natural fiber (B) in
the lactic acid based resin (A) by drawing, with the lactic
acid based resin.

6. Pellets comprising

10 a resin composition containing:

(A) a lactic acid based resin; and
(B) a natural fiber that contains 40 mass% to 60 mass%
of cellulose, 10 mass% to 30 mass% of lignin,

wherein the resin composition contains the lactic acid
15 based resin (A) and the natural fiber (B) in a mass ratio of
99:1 to 70:30, and the lactic acid based resin (A) has a resin
composition ratio of L-lactic acid:D-lactic acid=100:0 to 97:3,
or L-lactic acid:D-lactic acid=0:100 to 3:97.

20 7. The pellets according to claim 6, wherein the pellets have
an appearance such that constituent components thereof are
uniformly dispersed.

8. The pellets according to claim 6 or 7, wherein the pellets
25 are formed by kneading a coated substance, which is obtained

by impregnating the natural fiber (B) in the lactic acid based resin (A) by drawing, with the lactic acid based resin (A).

9. A method for producing pellets, comprising the steps of:
 - 5 impregnating a natural fiber (B) in a lactic acid based resin (A); and
 adding a further portion of the lactic acid based resin (A) to the resultant of the impregnating step and kneading the resultant mixture.
- 10 10. A method for producing pellets, comprising the steps of:
 - forming pellets of a coated substance after impregnating a natural fiber (B) in a lactic acid based resin (A) by drawing; and
 adding a further portion of the lactic acid based resin (A) to the pellets of the coated substance and kneading the resultant mixture.
- 15 11. A method for producing injection molded article,
 - 20 comprising the steps of:
 - forming pellets of a coated substance after impregnating a natural fiber (B) in a lactic acid based resin (A) by drawing;
 adding a further portion of the lactic acid based resin (A) to the pellets of the coated substance and kneading the resultant mixture to form pellets; and

**forming an injection molded article from the pellets
obtained after the kneading.**